

IN THE CLAIMS:

Please cancel claims 1-14 without prejudice.

Please amend claims 15 and 16 to read as follows:

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15. (Amended) A kit for inferring the nucleotide sequence at codons of interest in the HIV RT gene and/or the amino acids corresponding to these codons and/or the antiviral drug resistance spectrum of HIV isolates present in a biological sample comprising the following components:
- (i) optionally, a means for releasing, isolating or concentrating the polynucleic acids present in said sample;
 - (ii) optionally, at least one suitable set of primers;
 - (iii) at least two different probes, wherein each probe is capable of hybridizing specifically to one or more target codons within any region I to VIII as represented in Figure 1, said probes optionally fixed to a solid support;
 - (iv) a hybridization buffer, or components necessary for producing said buffer;
 - (v) a wash solution, or components necessary for producing said solution;
 - (vi) optionally, a means for detecting the hybrids resulting from the preceding hybridization;
 - (vii) optionally, a means for attaching said probe to a solid support.
16. (Amended) A kit for inferring the HIV RT resistance spectrum of HIV in a biological sample, coupled to the identification of the HIV isolate involved, comprising the following components:
- (i) optionally, a means for releasing, isolating or concentrating the polynucleic acids present in said sample;
 - (ii) optionally, at least one suitable set of primers;
 - (iii) at least two different probes, wherein each probe is capable of hybridizing specifically to one or more target codons within any region I to VIII as represented in Figure 1, said probes optionally fixed to a solid support;
 - (iv) a hybridization buffer, or components necessary for producing said buffer;

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- (v) a wash solution, or components necessary for producing said solution;
 - (vi) optionally, a means for detecting the hybrids resulting from the preceding hybridization;
 - (vii) optionally, a means for attaching said probe to a solid support.

Please add new claims 17-42 as follows:

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--17. (New) The kit according to claims 15 or 16, wherein the primer is selected from the group consisting of SEQ ID No: 162, 163, 164 and 39.

18. (New) The kit according to claims 15 or 16, wherein the set of primers is selected from the group consisting of
SEQ ID No: 162 and 163, and
SEQ ID No: 164 and 39.

19. (New) A kit for inferring the nucleotide sequence at codons of interest in the HIV RT gene and/or the amino acids corresponding to these codons and/or the antiviral drug resistance spectrum of HIV isolates present in a biological sample, the kit comprising the following components:

at least two different probes, wherein the probes are selected from the group consisting of
SEQ ID NO: 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 31, 32, 33, 34, 35, 37, 40, 41, 44, 45, 46, 47, 48, 49, 50, 51, 52, 54, 55, 56, 57, 58, 59, 61, 62, 63, 64, 65, 66, 67, 68, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 114, 115, 117, 118, 119, 120, 121, 122, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 138, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 154, 155, 156, 157 and 159;

a hybridization buffer, or components necessary for producing said buffer; and
a wash solution, or components necessary for producing said solution.

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- 20.** (New) A kit for inferring the HIV RT resistance spectrum of HIV in a biological sample, coupled to the identification of the HIV isolate involved, comprising the following components:

at least two different probes, wherein the probes are selected from the group consisting of

SEQ ID NO: 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 31, 32, 33, 34, 35, 37, 40, 41, 44, 45, 46, 47, 48, 49, 50, 51, 52, 54, 55, 56, 57, 58, 59, 61, 62, 63, 64, 65, 66, 67, 68, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 114, 115, 117, 118, 119, 120, 121, 122, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 138, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 154, 155, 156, 157 and 159;

a hybridization buffer, or components necessary for producing said buffer; and

a wash solution, or components necessary for producing said solution.

- 21.** (New) The kit according to any one of claims 15, 16, 19 or 20 wherein the probes are selected from the group consisting of SEQ ID NO: 4, 8, 9, 10, 11, 12, 13, 14, 15, 19, 21, 22, 24, 25, 27, 28, 30, 31, 32, 33, 34, 35, 40, 46, 48, 49, 50, 51, 52, 54, 55, 56, 57, 58, 70, 72, 73, 75, 76, 78, 79, 80, 81, 82, 83, 86, 88, 90, 93, 95, 96, 97, 98, 99, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 115, 117, 118, 119, 120, 121, 122, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 138, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 154, 155, 157 and 159.
- 22.** (New) The kit according to any one claims 15, 16, 19 or 20 wherein at least one of the probes is selected from the group consisting of SEQ ID NO: 4, 8, 9, 10, 11, 12, 13, 14, 15, 19, 21, 22, 24, 25, 27 and 28.
- 23.** (New) The kit according to any one of claims 15, 16, 19 or 20 wherein at least one of the probes is selected from the group consisting of SEQ ID NO: 30, 31, 32, and 33.

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- 24. (New) The kit according to any one of claims 15, 16, 19 or 20 wherein at least one of the probes is selected from the group consisting of SEQ ID NO: 34, 35, 40, 46, 48, 49, 50, 51 and 52.
 - 25. (New) The kit according to any one of claims 15, 16, 19 or 20 wherein at least one of the probes is selected from the group consisting of SEQ ID NO: 57 and 58.
 - 26. (New) The kit according to any one of claims 15, 16, 19 or 20 wherein at least one of the probes is selected from the group consisting of SEQ ID NO: 70, 72, 73, 75, 76, 78, 79, 80, 81, 82 and 83.
 - 27. (New) The kit according to any one of claims 15, 16, 19 or 20 wherein at least one of the probes is selected from the group consisting of SEQ ID NO: 86, 88, 90, 93, 95, 96, 97, 98, 99, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 115, 117, 118, 119, 120, 121, 122, 124, 125, 126, 127, 128, 130, 131, 132, 133, 134, 135 and 136.
 - 28. (New) The kit according to any one of claims 15, 16, 19 or 20 wherein at least one of the probes is selected from the group consisting of SEQ ID NO: 138, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 154, 155, 157 and 159.
 - 29. (New) The kit according to any one of claims 15, 16, 19 or 20 wherein at least one of the probes is selected from the group consisting of SEQ ID NO: 5, 6, 7, 16, 17, 18, 20, 23, 26, 37, 41, 44, 45, 47, 54, 55, 56, 59, 61, 62, 63, 64, 65, 66, 67, 68, 71, 74, 77, 84, 85, 87, 89, 91, 92, 94, 100, 114, 128, 129, 138 and 156.
 - 30. (New) The kit according to any one of claims 15, 16, 19 or 20 wherein at least one of the probes is selected from the group consisting of SEQ ID NO: 5, 6, 7, 16, 17, 18, 20, 23 and 26.
 - 31. (New) The kit according to any one of claims 15, 16, 19 or 20 wherein at least one of the probes is selected from the group consisting of SEQ ID NO: 37, 41, 44, 45 and 47.

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32. (New) The kit according to any one of claims 15, 16, 19 or 20 wherein at least one of the probes is selected from the group consisting of SEQ ID NO: 54, 55, 56 and 59.
 33. (New) The kit according to any one of claims 15, 16, 19 or 20 wherein at least one of the probes is selected from the group consisting of SEQ ID NO: 61, 62, 63 and 64.
 34. (New) The kit according to any one of claims 15, 16, 19 or 20 wherein at least one of the probes is selected from the group consisting of SEQ ID NO: 65, 66, 67, 68, 71, 74, 77 and 84.
 35. (New) The kit according to any one of claims 15, 16, 19 or 20 wherein at least one of the probes is selected from the group consisting of SEQ ID NO: 85, 87, 89, 91, 92, 94, 100, 114, 128 and 129.
 36. (New) The kit according to any one of claims 15, 16, 19 or 20 wherein at least one of the probes is selected from the group consisting of SEQ ID NO: 138 and 156.
 37. (New) The kit of claims 19 or 20, further comprising a means for releasing, isolating, or concentrating polynucleic acids present in the sample.
 38. (New) The kit of claims 19 or 20, further comprising at least one suitable set of primers.
 39. (New) The kit according to claim 38, wherein the primer is selected from the group consisting of SEQ ID No: 162, 163, 164 and 39.
 40. (New) The kit according to claim 38, wherein the set of primers is selected from the group consisting of
 - SEQ ID No: 162 and 163, and
 - SEQ ID No: 164 and 39.